

**Table 1****Domestic R&D performed by companies and GDP, by core-based statistical area: 2018**

(Millions of U.S. dollars)

Core-based statistical area	CBSA code	Total business R&D performance	GDP	R&D-GDP
Domestic U.S. total	-	441,036	20,463,457	0.022
San Jose-Sunnyvale-Santa Clara, CA	41940	67,394	331,020	0.204
San Francisco-Oakland-Berkeley, CA	41860	40,364	548,613	0.074
New York-Newark-Jersey City, NY-NJ-PA	35620	29,782	1,772,320	0.017
Seattle-Tacoma-Bellevue, WA	42660	29,321	392,037	0.075
Boston-Cambridge-Newton, MA-NH	14460	25,458	463,571	0.055
Detroit-Warren-Dearborn, MI	19820	17,943	267,731	0.067
Los Angeles-Long Beach-Anaheim, CA	31080	16,565	1,047,661	0.016
San Diego-Chula Vista-Carlsbad, CA	41740	12,445	245,139	0.051
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	37980	11,780	444,148	0.027
Chicago-Naperville-Elgin, IL-IN-WI	16980	10,678	689,465	0.015
Portland-Vancouver-Hillsboro, OR-WA	38900	8,451	164,420	0.051
Austin-Round Rock-Georgetown, TX	12420	7,812	146,785	0.053
Dallas-Fort Worth-Arlington, TX	19100	7,180	512,510	0.014
Washington-Arlington-Alexandria, DC-VA-MD-WV	47900	7,092	540,684	0.013
Minneapolis-St. Paul-Bloomington, MN-WI	33460	6,757	263,691	0.026
St. Louis, MO-IL	41180	5,918	169,839	0.035
Indianapolis-Carmel-Anderson, IN	26900	4,750	140,762	0.034
Houston-The Woodlands-Sugar Land, TX	26420	4,540	478,779	0.009
Phoenix-Mesa-Chandler, AZ	38060	4,437	255,212	0.017
Durham-Chapel Hill, NC	20500	4,430	54,687	0.081
Atlanta-Sandy Springs-Alpharetta, GA	12060	4,172	397,261	0.011
Norwich-New London, CT	35980	3,914	19,295	0.203
Cincinnati, OH-KY-IN	17140	3,643	141,053	0.026
Raleigh-Cary, NC	39580	3,465	83,666	0.041
Baltimore-Columbia-Towson, MD	12580	2,674	205,314	0.013
All other CBSAs	-	95,252	8,641,229	0.011
Locations outside a CBSA	-	2,235	2,046,565	0.001
Undistributed <sup>a</sup>	-	2,584	0	na

i = &gt; 50% of the estimate is a combination of imputation and reweighting to account for nonresponse; na = not applicable.

CBSA = core-based statistical area; GDP = gross domestic product.

<sup>a</sup> Includes data reported that were not allocated to a specific state by multi-establishment companies. For single-establishment companies, data reported were allocated to the state in the address used to mail the survey form.**Note(s):**

Rankings are based on point estimates and do not take into account sampling variability. A CBSA is a U.S. geographic area that consists of one or more counties (or equivalents) anchored by an urban center of at least 10,000 people plus adjacent counties that are socioeconomically tied to the urban center by commuting. CBSAs are defined by the Office of Management and Budget in the Executive Office of the President. Detail for other CBSAs available in Business Research and Development Survey data tables.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, Business Research and Development Survey, 2018. Bureau of Economic Analysis, Gross Domestic Product by Metropolitan and Micropolitan Area. Accessed 16 August 2020.